

FIG. 1

FIG. 2

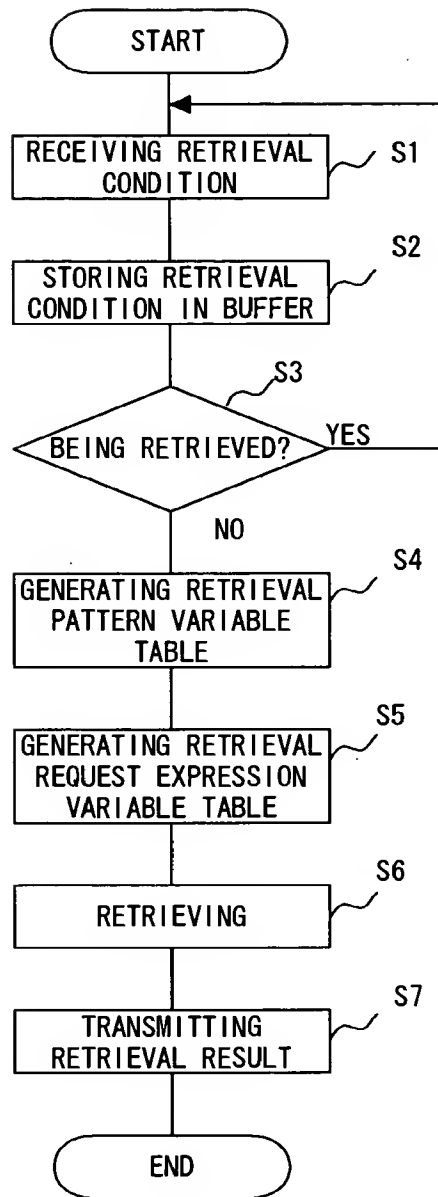


FIG. 2

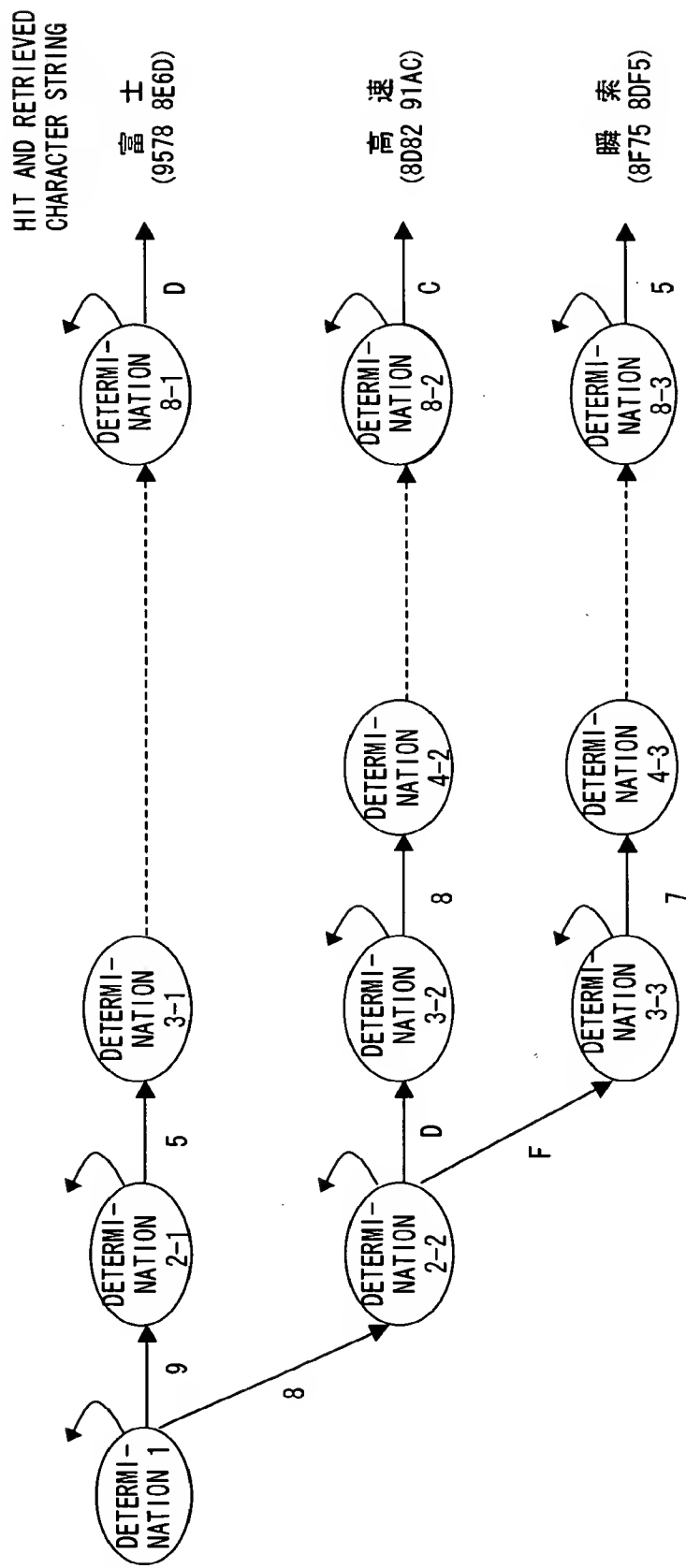


FIG. 3

DETERMINATION TARGET 4-BIT VALUE	NEXT DETERMINATION TABLE ADDRESS
0	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
1	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
2	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
3	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
4	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
5	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
6	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
7	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
8	DETERMINATION TABLE ADDRESS OF [DETERMINATION 2-2]
9	DETERMINATION TABLE ADDRESS OF [DETERMINATION 2-1]
10	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
11	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
12	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
13	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
14	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]
15	DETERMINATION TABLE ADDRESS OF [DETERMINATION 1]

FIG. 4

PATTERN = {ABCD, BCDE}

A	B	C	D	E	F	Z
3	2	1	0	4	4	4.....4	4

del_abcd

A	B	C	D	E	F	Z
4	3	2	1	0	4	4.....4	4

del_bcde

A	B	C	D	E	F	Z
3	2	1	L	L	4	4.....4	4

del_com

(L(large)=textlen+4+1)

FIG. 5A

PATTERN = {ABCD, BCDE, CDFE}

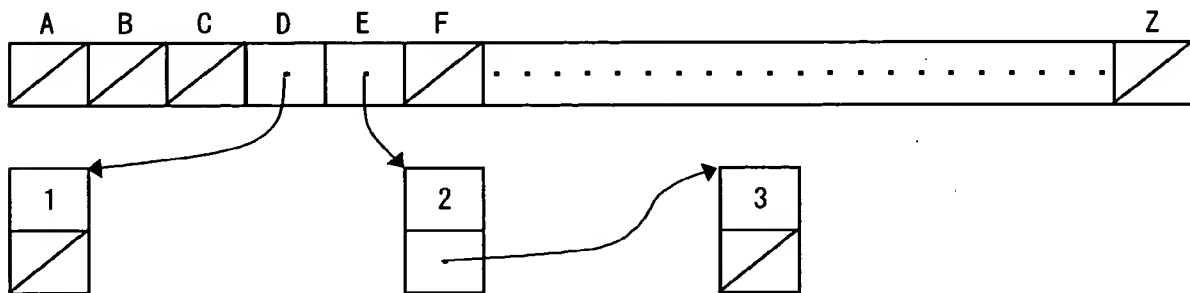


FIG. 5B

(JAPANESE TEXT)

外 苑 の 初 霜

(HEXADECIMAL CODE)

8A _H	4F _H	89 _H	91 _H	82 _H	CC _H	8F _H	89 _H	91 _H	9A _H
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苑 . . . ERRONEOUS READ

FIG. 6

09090909 100304

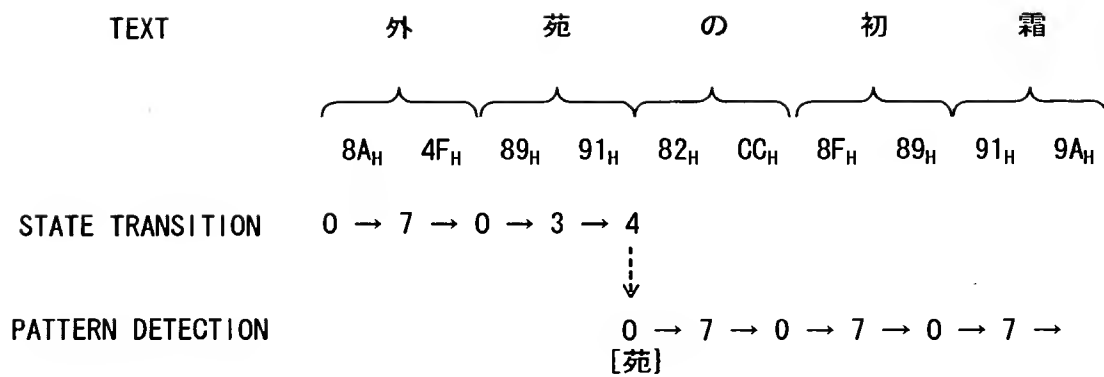
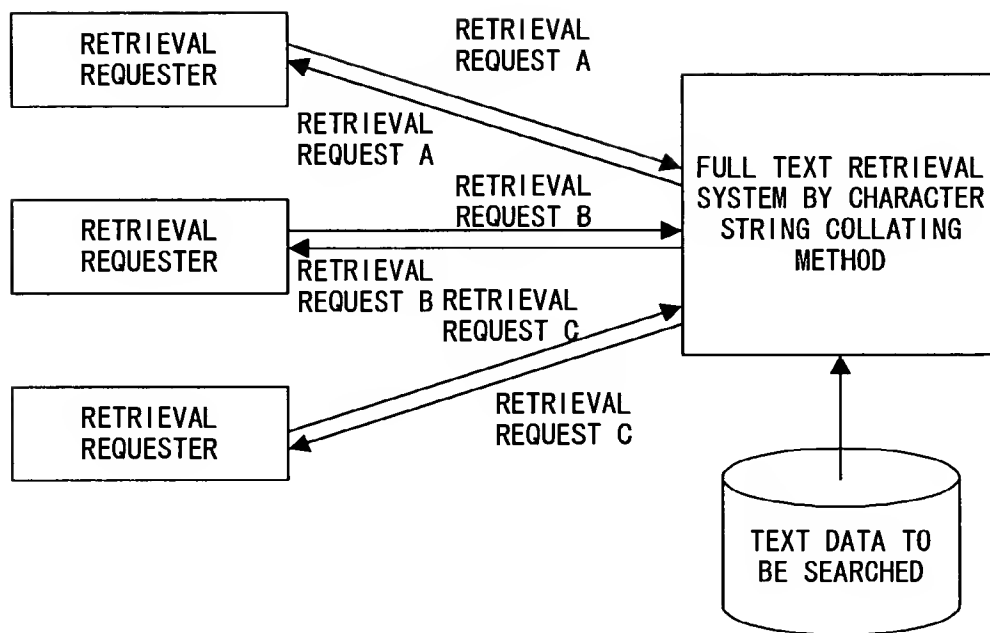


FIG. 8



F I G . 9

CONTENTS OF TEXT DATA TO BE SEARCHED

[K]<NAME>MASATAKA MATSUURA[K]<GRADUATE OF>WASEDA UNIVERSITY[K]<BIRTH PLACE>KANAGAWA PREF. [K]<SEX>MALE[K] [R]
[K]<NAME>YOKO TABATA[K]<GRADUATE OF>TSUKUBA UNIVERSITY[K]<BIRTH PLACE>ISHIKAWA PREF. [K]<SEX>FEMALE[K] [R]
[K]<NAME>SHIRO ABE[K]<GRADUATE OF>KYUSHU UNIVERSITY[K]<BIRTH PLACE>OITA PREF. [K]<SEX>MALE[K] [R]

(NOTE) [R]: RECORD DELIMITER, [K]: ITEM DELIMITER, <CHARACTER STRING>: ITEM IDENTIFIER CODE (ITEM TAG)

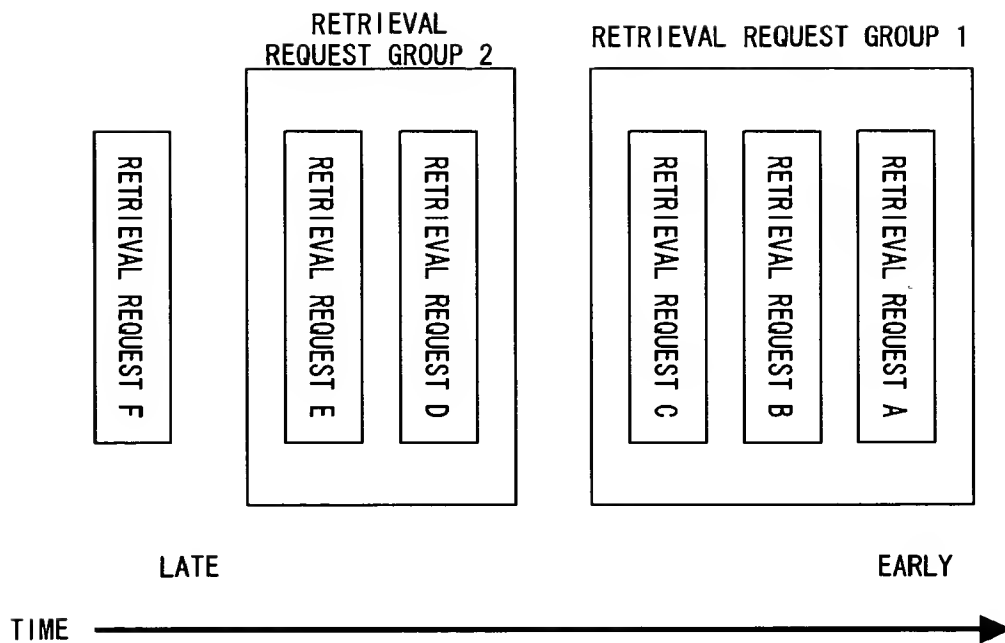
F I G. 1 0

RETRIEVAL REQUEST

	ITEM TAG	WORD TO BE RETRIEVED
A	<NAME>	MASATAKA MATSUURA
B	<GRADUATED FROM>	WASEDA UNIVERSITY
RETRIEVAL CONDITION EXPRESSION	A and B	

FIG. 11

09999999 120304



F I G. 1 2

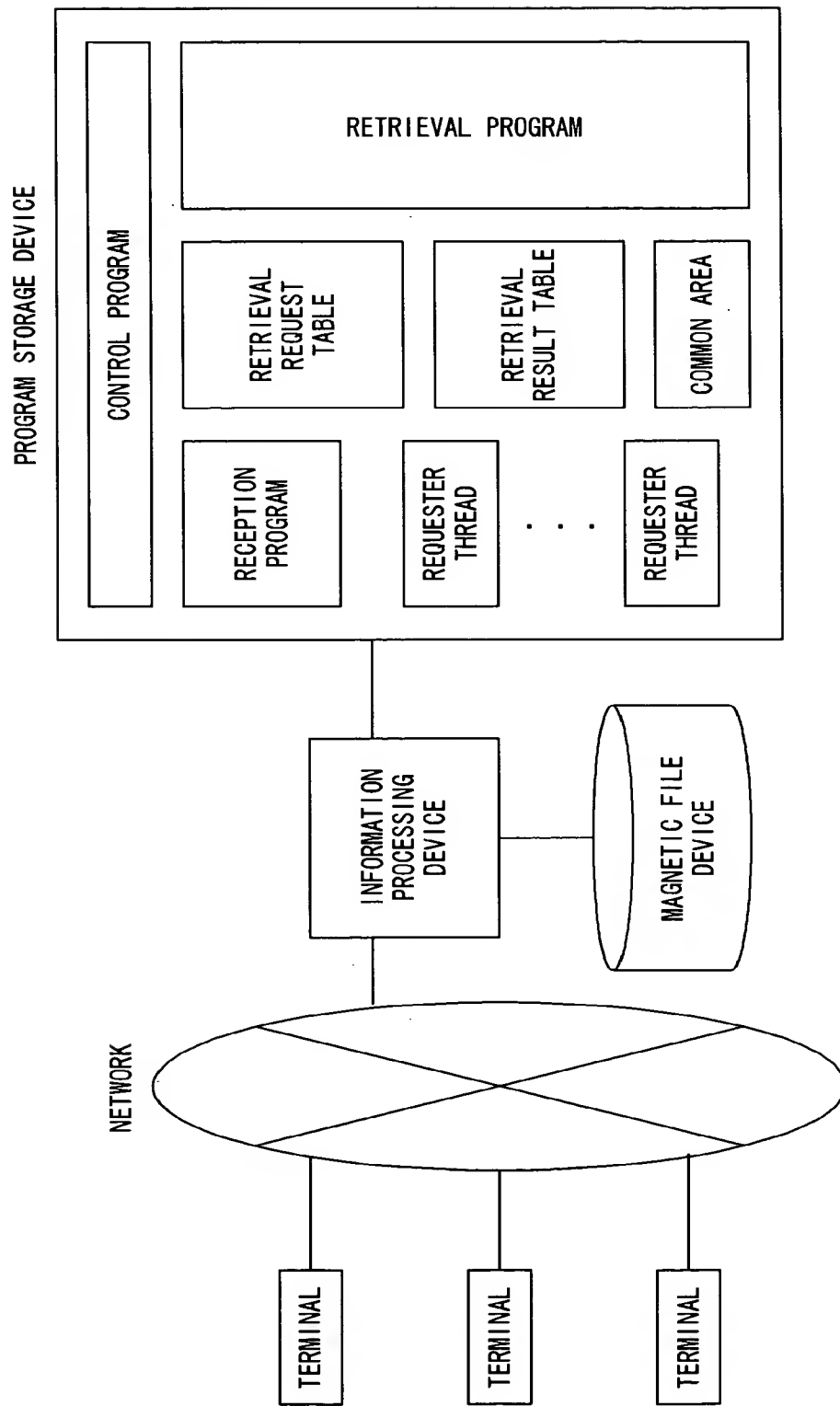


FIG. 13

FIG. 14

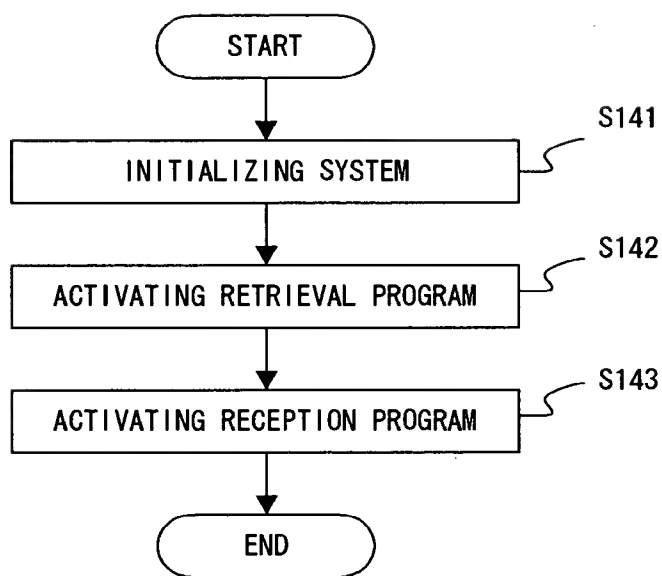


FIG. 14

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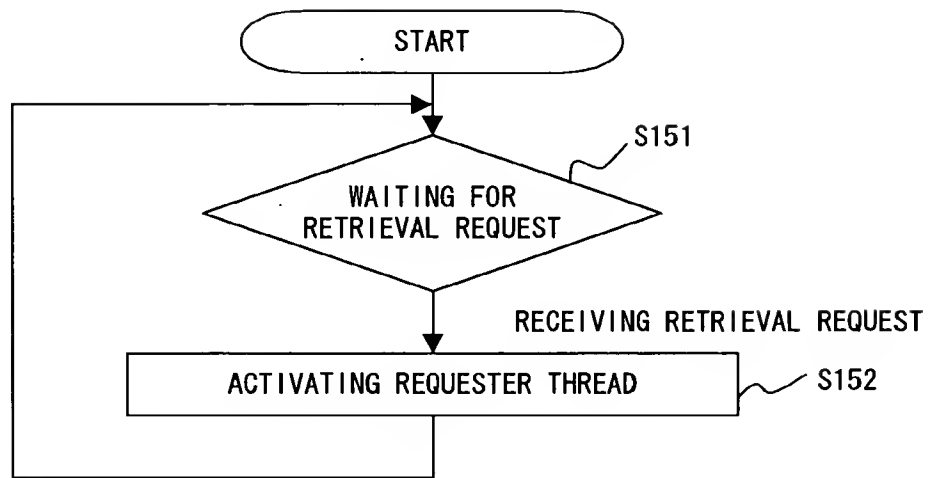


FIG. 15

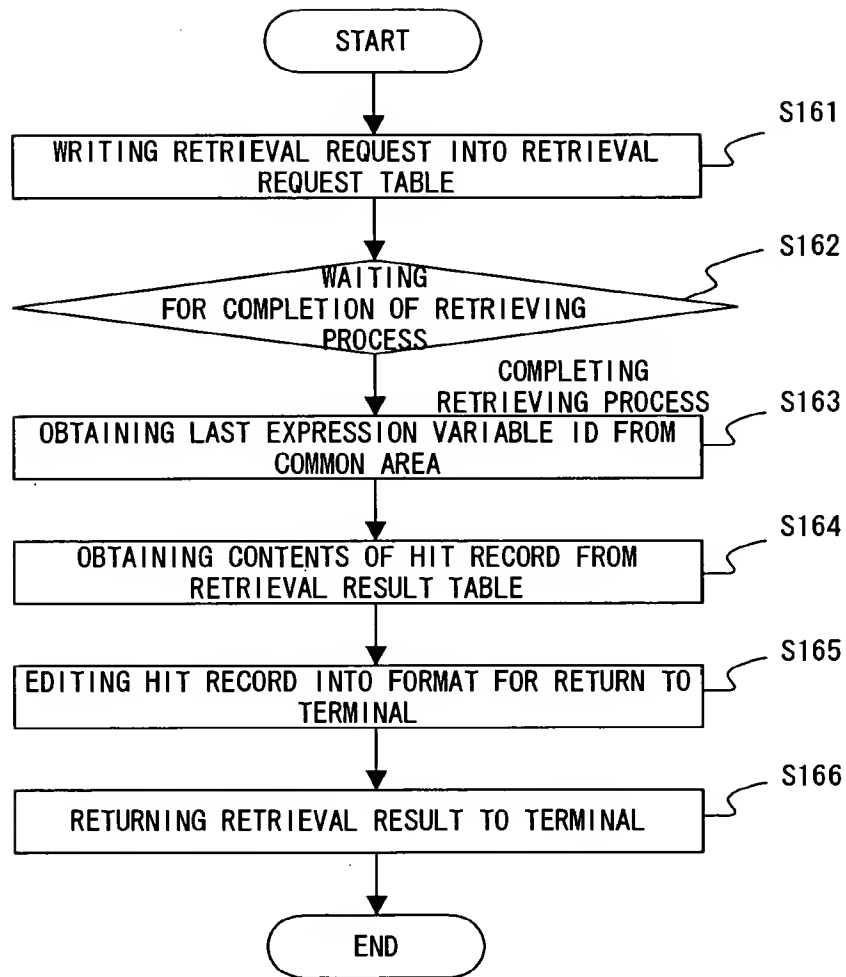


FIG. 16

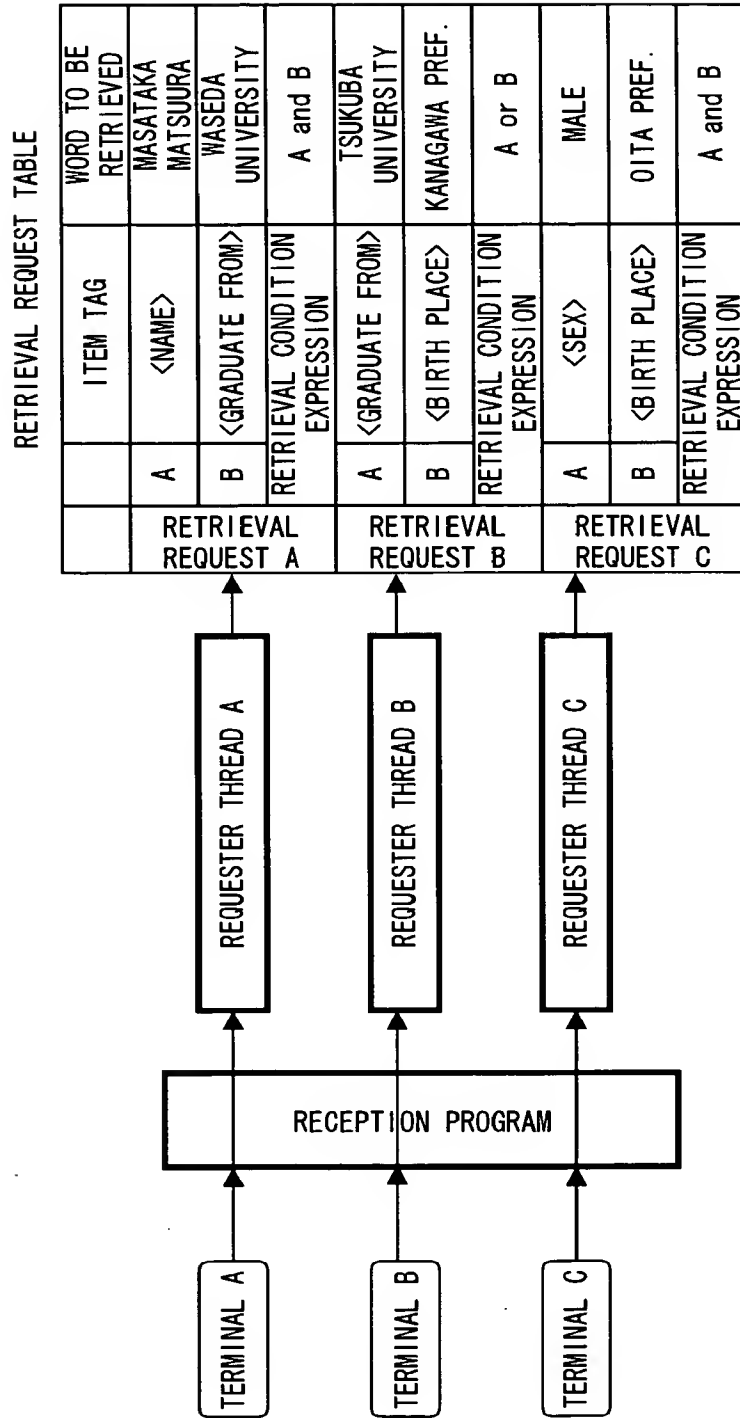


FIG. 17

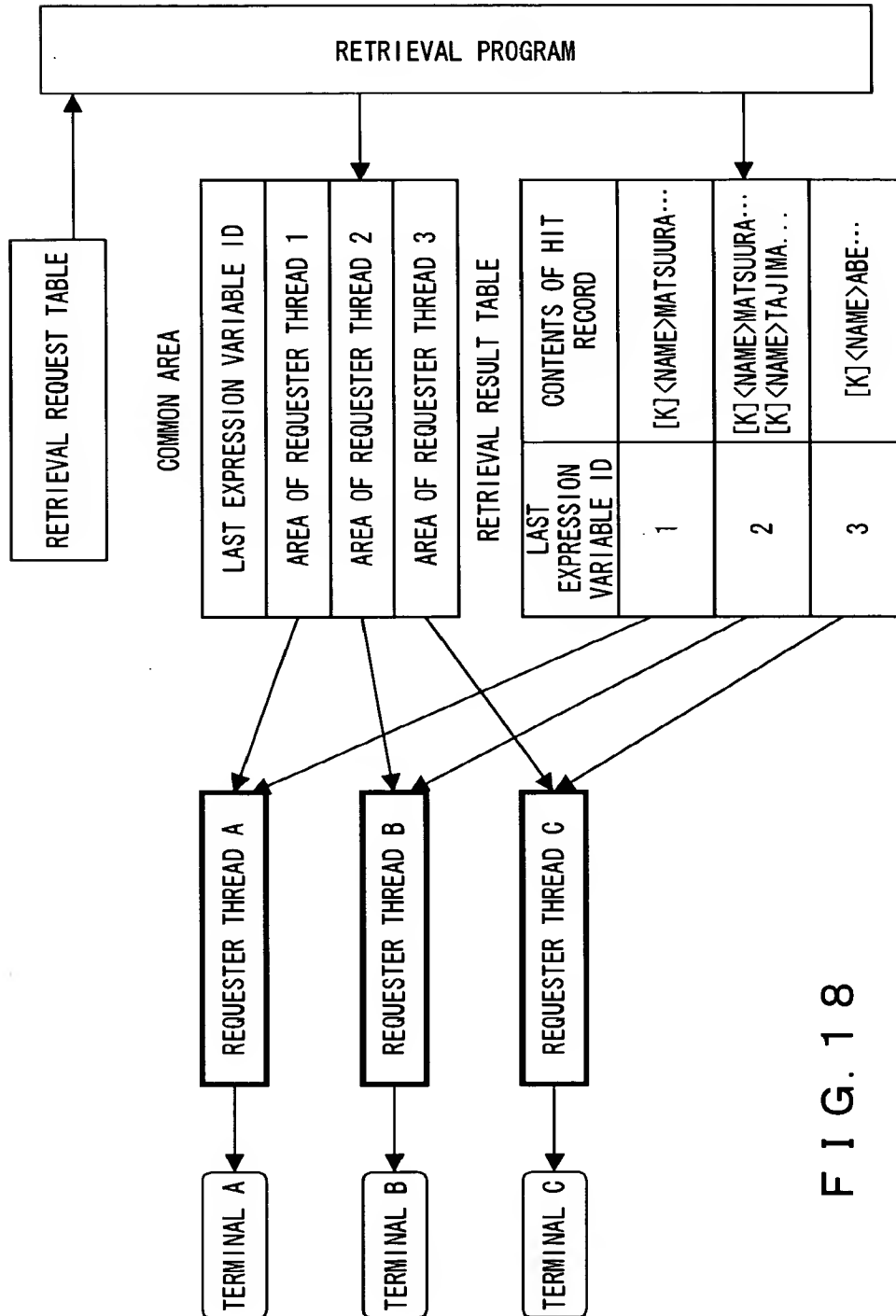
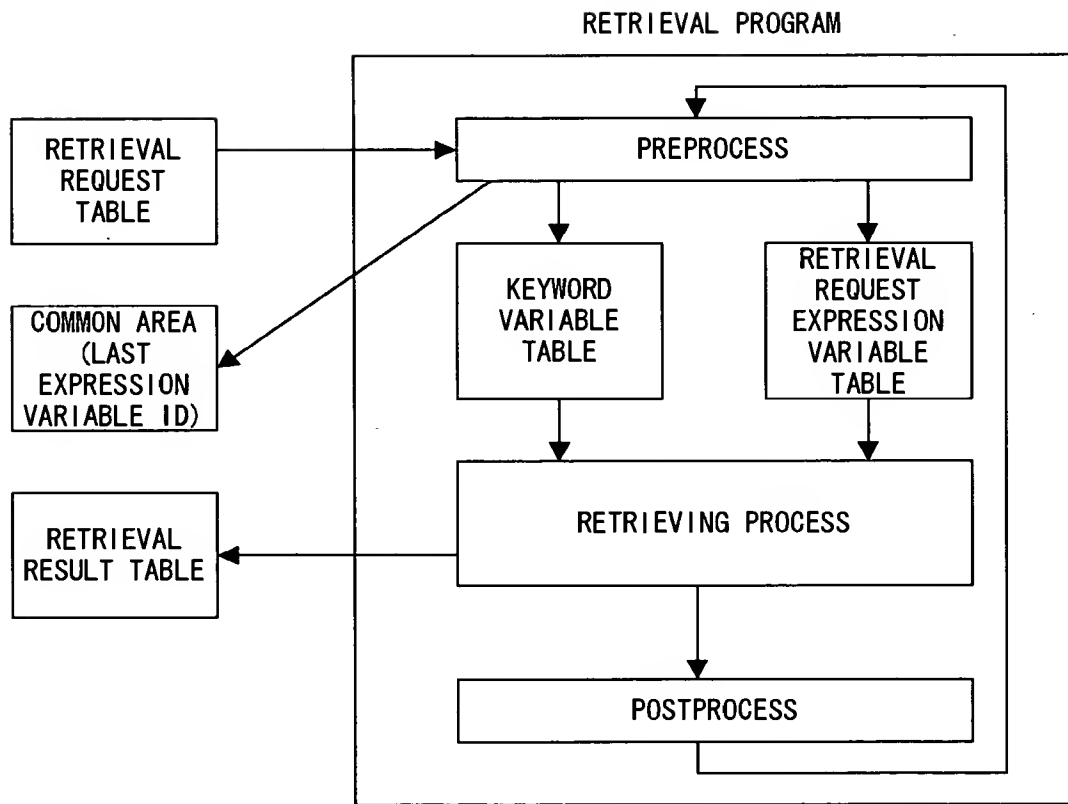


FIG. 18



F I G. 1 9

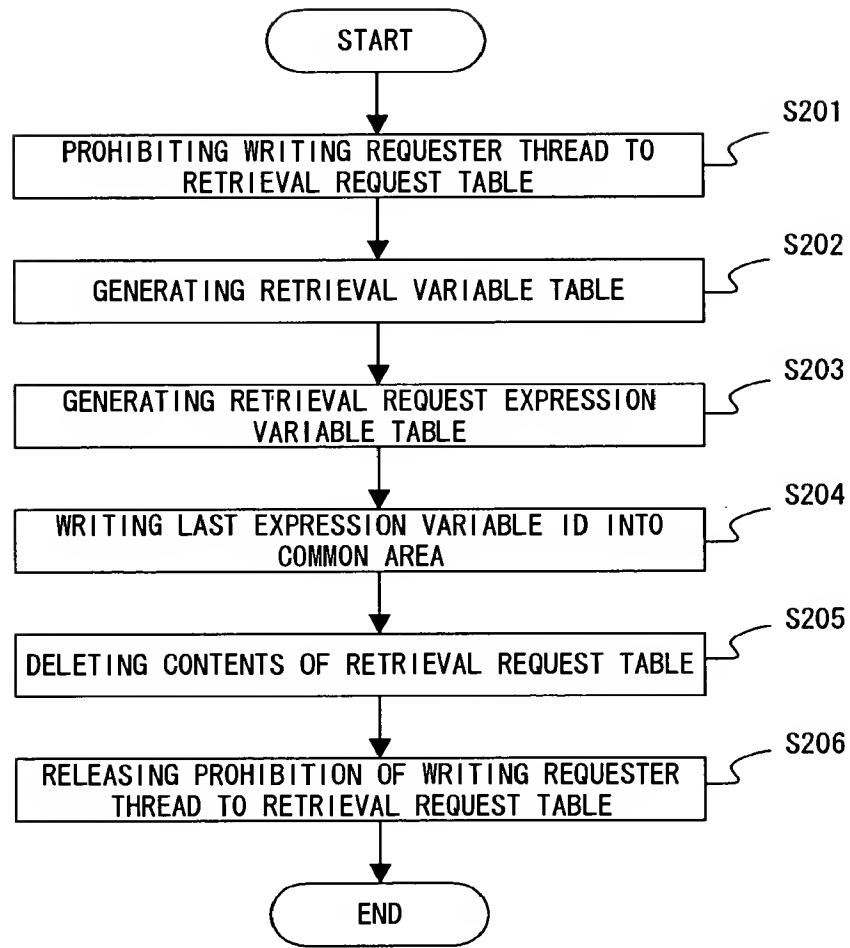


FIG. 20

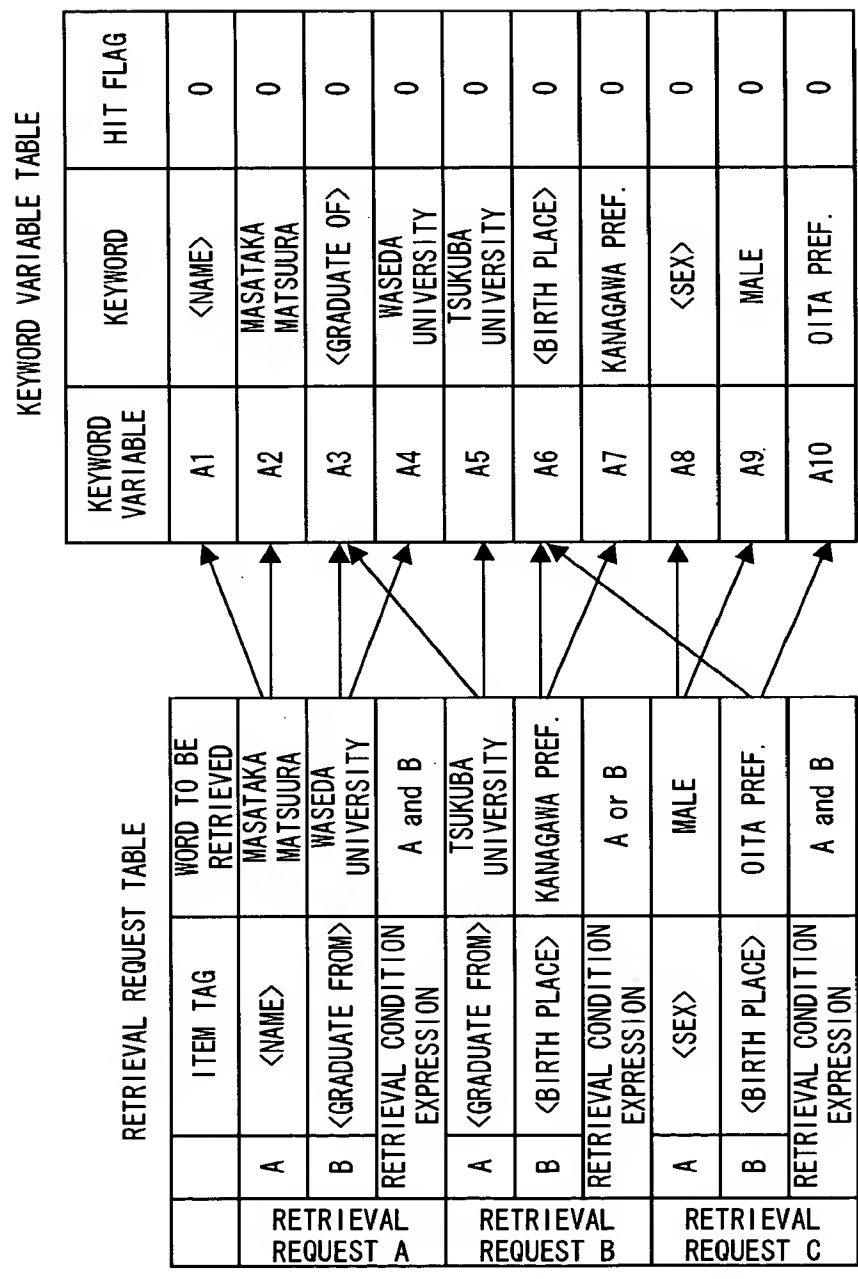


FIG. 21

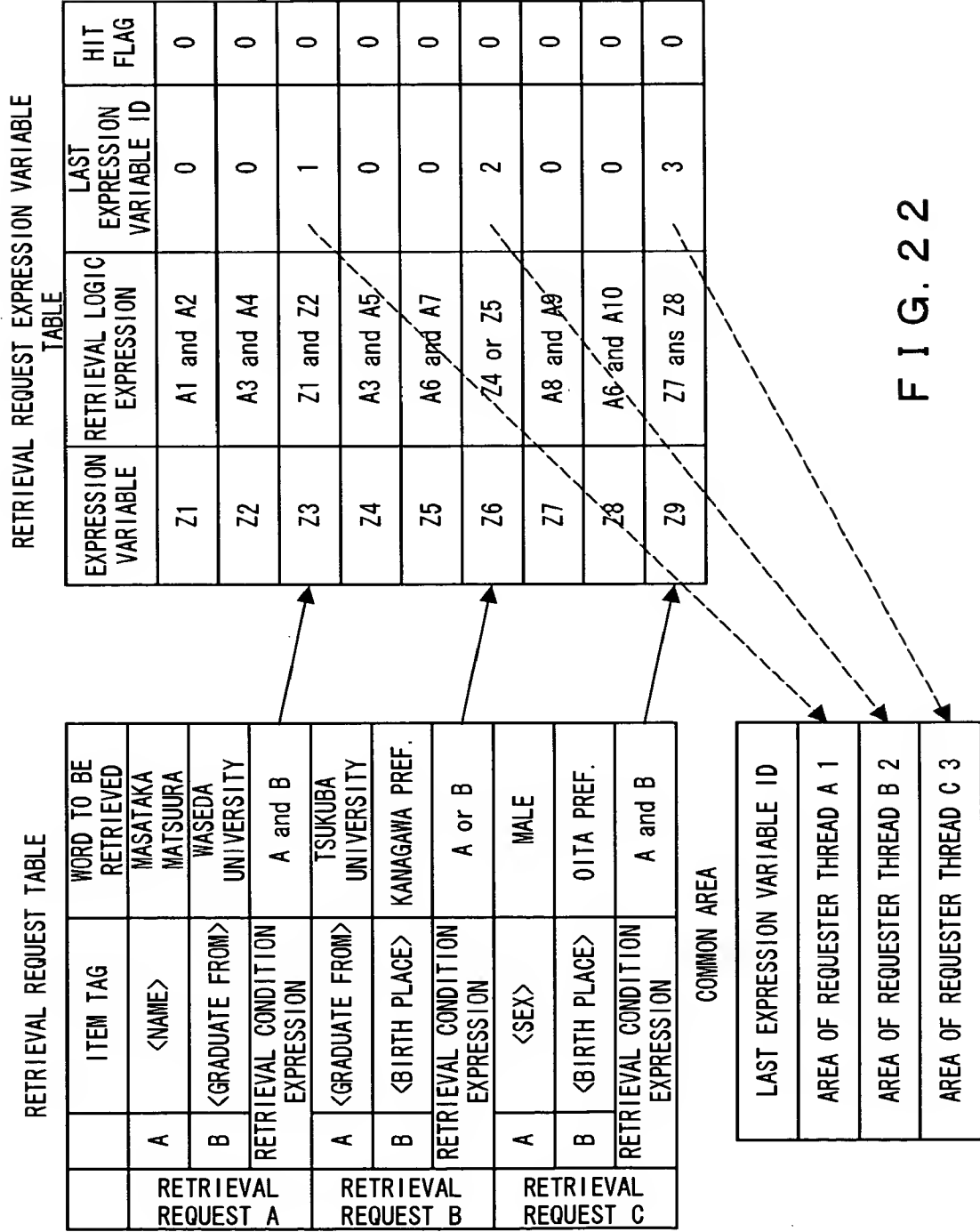


FIG. 22

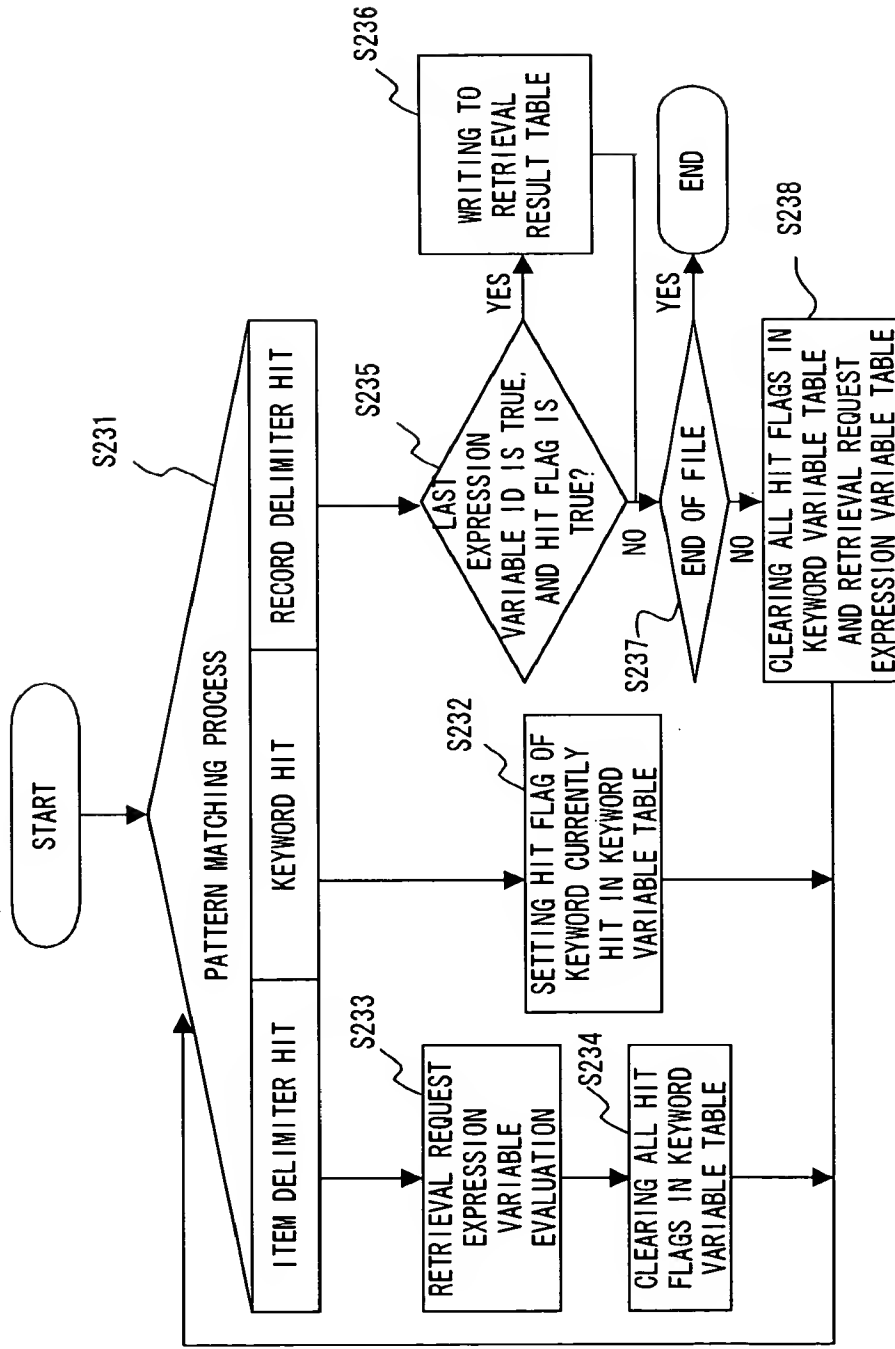


FIG. 23

KEYWORD VARIABLE TABLE

KEYWORD VARIABLE	CHARACTER STRING TO BE RETRIEVED	HIT FLAG
A1	<NAME>	1
A2	MASATAKA MATSUURA	1
A3	<GRADUATE OF>	0
A4	WASEDA UNIVERSITY	0
A5	TSUKUBA UNIVERSITY	0
A6	<BIRTH PLACE>	0
A7	KANAGAWA PREF.	0
A8	<SEX>	0
A9	MALE	0
A10	OITA PREF.	0

FIG. 24A

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

EXPRESSION VARIABLE	LAST EXPRESSION VARIABLE ID	LAST EXPRESSION VARIABLE ID	HIT FLAG
Z1	A1 and A2	0	1
Z2	A3 and A4	0	1
Z3	Z1 and Z2	1	0
Z4	A3 and A5	0	0
Z5	A6 and A7	0	0
Z6	Z4 or Z5	2	0
Z7	A8 and A9	0	0
Z8	A6 and A10	0	0
Z9	Z7 and Z8	3	0

FIG. 24B

KEYWORD VARIABLE TABLE

KEYWORD VARIABLE	CHARACTER STRING TO BE RETRIEVED	HIT FLAG
A1	<NAME>	0
A2	MASATAKA MATSUURA	0
A3	<GRADUATE OF>	0
A4	WASEDA UNIVERSITY	0
A5	TSUKUBA UNIVERSITY	0
A6	<BIRTH PLACE>	0
A7	KANAGAWA PREF.	0
A8	<SEX>	1
A9	MALE	1
A10	OITA PREF.	0

FIG. 25A

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

EXPRESSION VARIABLE	RETRIEVAL LOGIC EXPRESSION	LAST EXPRESSION VARIABLE ID	HIT FLAG
Z1	A1 and A2	0	1
Z2	A3 and A4	0	1
Z3	Z1 and Z2	1	1
Z4	A3 and A5	0	0
Z5	A6 and A7	0	1
Z6	Z4 or Z5	2	1
Z7	A8 and A9	0	1
Z8	A6 and A10	0	0
Z9	Z7 and Z8	3	0

FIG. 25B



LAST EXPRESSION VARIABLE ID	CONTENTS OF HIT RECORD
1	[K]<NAME>MATSUURA...
2	[K]<NAME>MATSUURA...
3	

FIG. 26

FIG. 27

CONTENTS OF TEXT DATA TO BE SEARCHED ACCORINDG TO SECOND EMBODIMENT

...MASATAKA MATSUURA...WASEDA UNIVERSITY...KANAGAWA PREF.MALE [K] [R]
...YOKO TAJIMA...TSUKUBA UNIVERSITY...ISHIKAWA PREF.FEMALE [K] [R]
SHIRO ABE.....KYUSYU UNIVERSITY...OITA PREF.MALE [K] [R]

(NOTE) [R] : RECORD DELIMITER, [K] : ITEM DELIMITER

F I G. 2 7

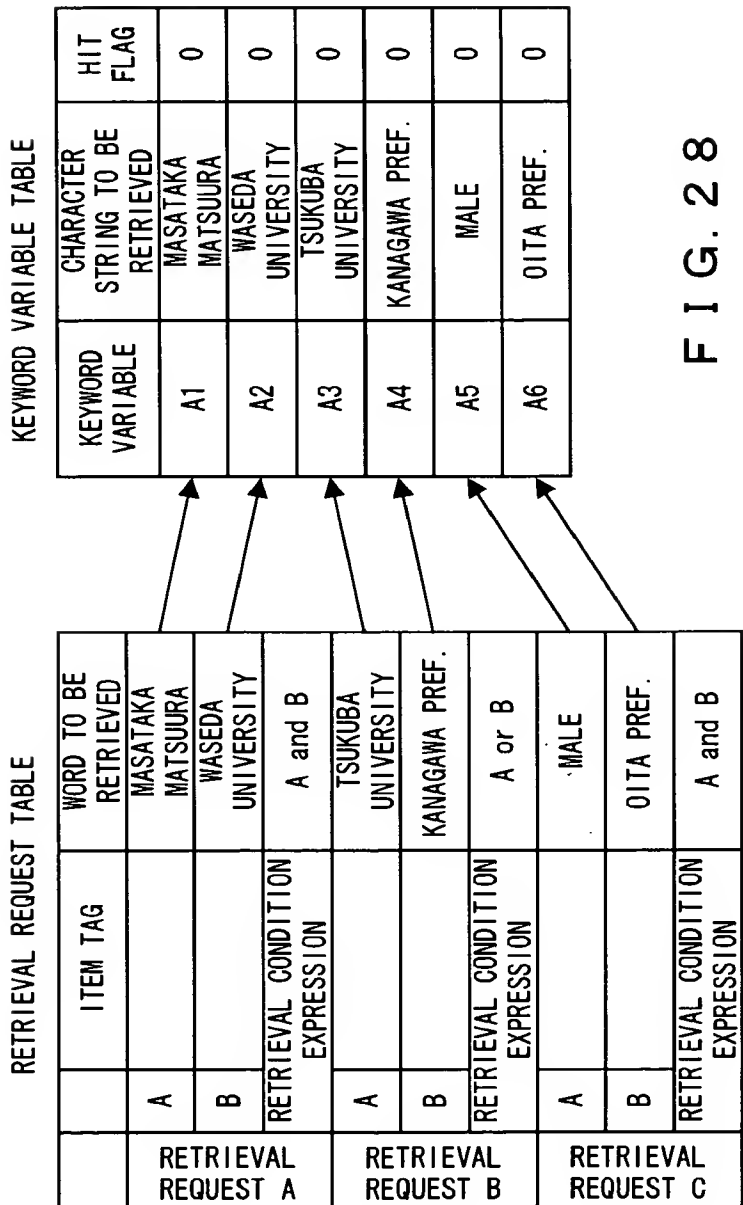


FIG. 28

RETRIEVAL REQUEST TABLE

	ITEM TAG	WORD TO BE RETRIEVED
RETRIEVAL REQUEST A	A	MASATAKA MATSUURA
	B	WASEDA UNIVERSITY
	RETRIEVAL CONDITION EXPRESSION	A and B
RETRIEVAL REQUEST B	A	TSUKUBA UNIVERSITY
	B	KANAGAWA PREF.
	RETRIEVAL CONDITION EXPRESSION	A or B
RETRIEVAL REQUEST C	A	MALE
	B	OITA PREF.
	RETRIEVAL CONDITION EXPRESSION	A and B

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

EXPRESSION VARIABLE	RETRIEVAL LOGIC EXPRESSION	LAST EXPRESSION VARIABLE ID	HIT FLAG
Z1	A1 and A2	1	0
Z2	A3 or A4	2	0
Z3	A5 and A6	3	0

FIG. 29

KEYWORD VARIABLE TABLE

KEYWORD VARIABLE	CHARACTER STRING TO BE RETRIEVED	HIT FLAG
A1	MASATAKA MATSUURA	1
A2	WASEDA UNIVERSITY	1
A3	TSUKUBA UNIVERSITY	0
A4	KANAGAWA PREF.	1
A5	MALE	1
A6	OITA PREF.	0

FIG. 30A

RETRIEVAL REQUEST EXPRESSION VARIABLE TABLE

EXPRESSION VARIABLE	RETRIEVAL LOGIC EXPRESSION	LAST EXPRESSION VARIABLE ID	HIT FLAG
Z1	A1 and A2	1	1
Z2	A3 or A4	2	1
Z3	A5 and A6	3	0

FIG. 30B

FIG. 31

RETRIEVAL RESULT TABLE

LAST EXPRESSION VARIABLE ID	CONTENTS OF HIT RECORD
1	MASATAKA MATSUURA... ..
2	MASATAKA MATSUURA... ..
3	

F I G . 3 1

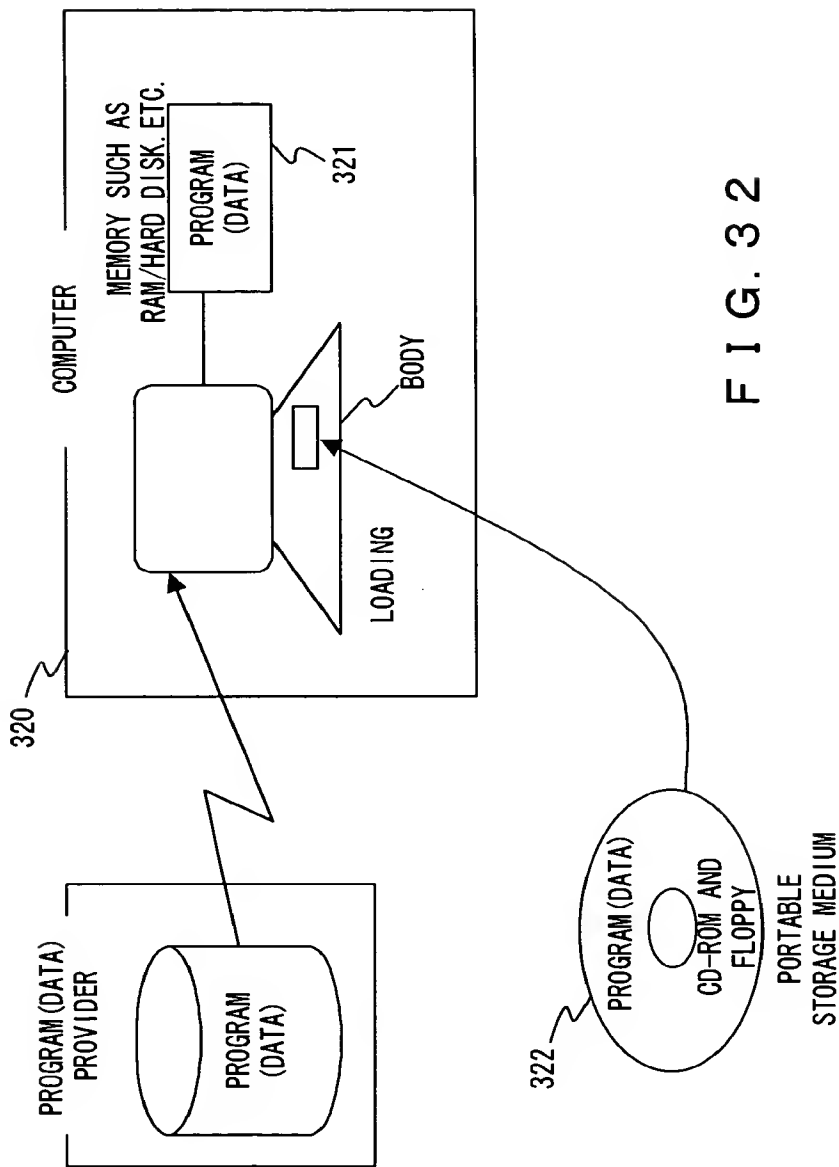


FIG. 32